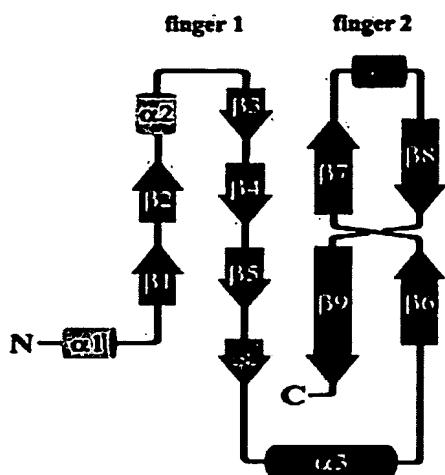


FIGURES

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FIG. 1

a.



b.

Sequence alignment of BMP-2, BMP-7, TGF- β 2, and TGF- β 3. The alignment shows the positions of the β-sheets (B1-B9) and the α-helix (α3). Conserved residues are highlighted in black.

	B1	B2	B3	B4	B5	B5a	α3	B6	B7	B8	B9		
BMP-2	qakhtqpkRLKSS	C	KRHPFLYDIFS	-DVGKNDWIVAPP								34	
BMP-7	..anvaenss	s	dqrQ	CKKHLV	YSTR	-DVGKNDWIVAPP						69	
TGF- β 2	ALDAAYC	TPN	VQD	C	CLR	PLYDIDF	KRDLG	HK	-WHEPK			97	
TGF- β 3	ALDTNYC	TPN	KLK	C	CLR	PLYDIDF	KRDLG	HK	-WHEPK			97	
												74	
BMP-2	GYTA	MP	CGCP	PFPLADH	ILN	ST	MA	PT	TSVNSK			75	
BMP-7	GYA	Y	AN	CGC	APPLN	SYMDA	YAL	PT	TSVNSK			100	
TGF- β 2	GINA	MP	CA	AC	CPYL	WS	SD	SP	AS	NTISPEAS		74	
TGF- β 3	GYTA	Y	AN	CGC	APPLN	SYMDA	YAL	PT	TSVNSK			74	
												102	
BMP-2	KAC	CP	PT	ELSAI	SM	LYD	NEK	VV	LYQ	DMV	V	EGCR	114
BMP-7	KPC	CA	PT	Q	TLN	A	S	V	LY	FDD	S	NV	119
TGF- β 2	SECC	VS	QD	LE	PLT	ILY	Y	IG	KTP	-K	Q	LS	112
TGF- β 3	SECC	VS	QD	LE	PLT	ILY	Y	IG	KTP	-K	Q	LS	112

FIG. 2



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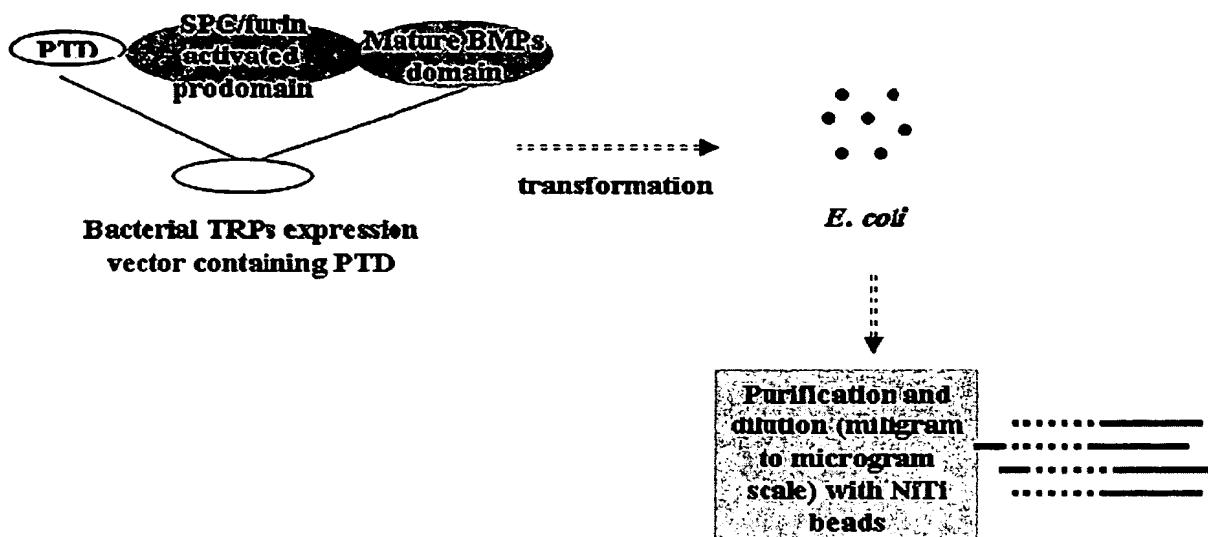
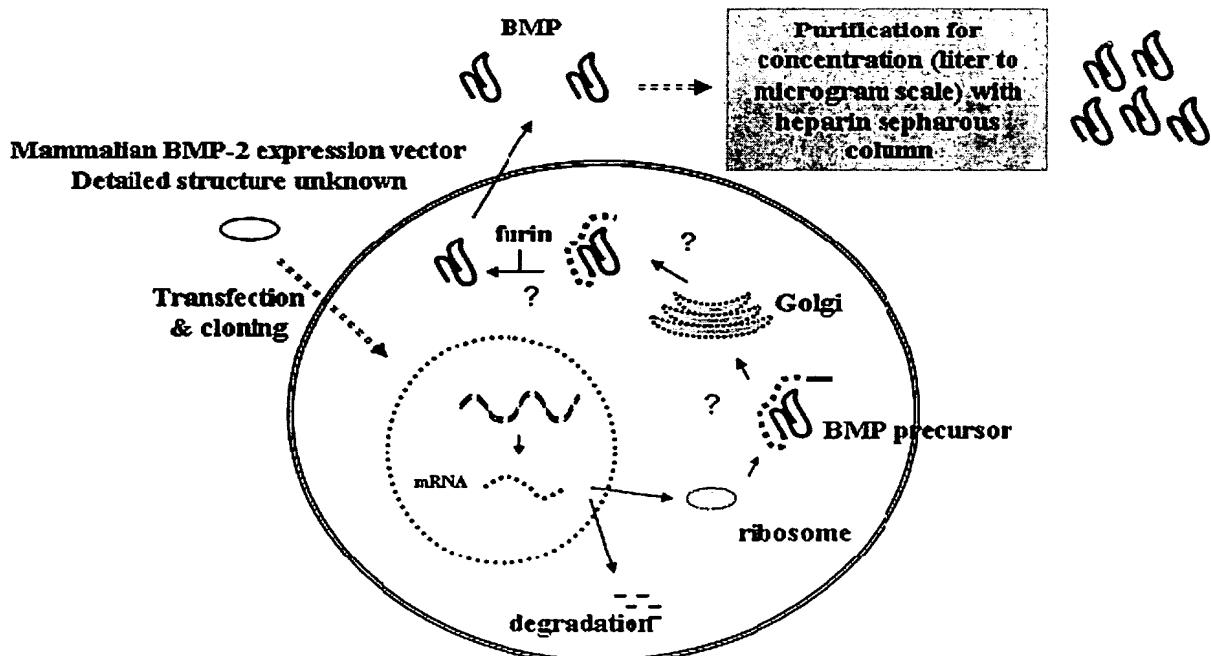
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FIG. 3

FIG. 4



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FIG. 5

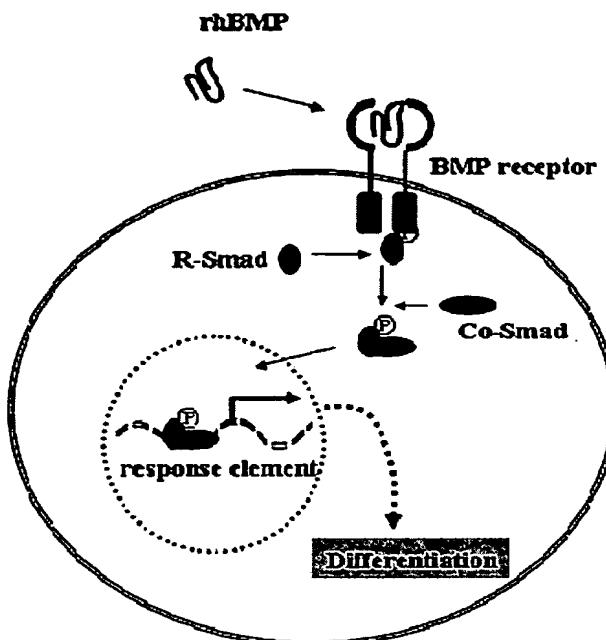
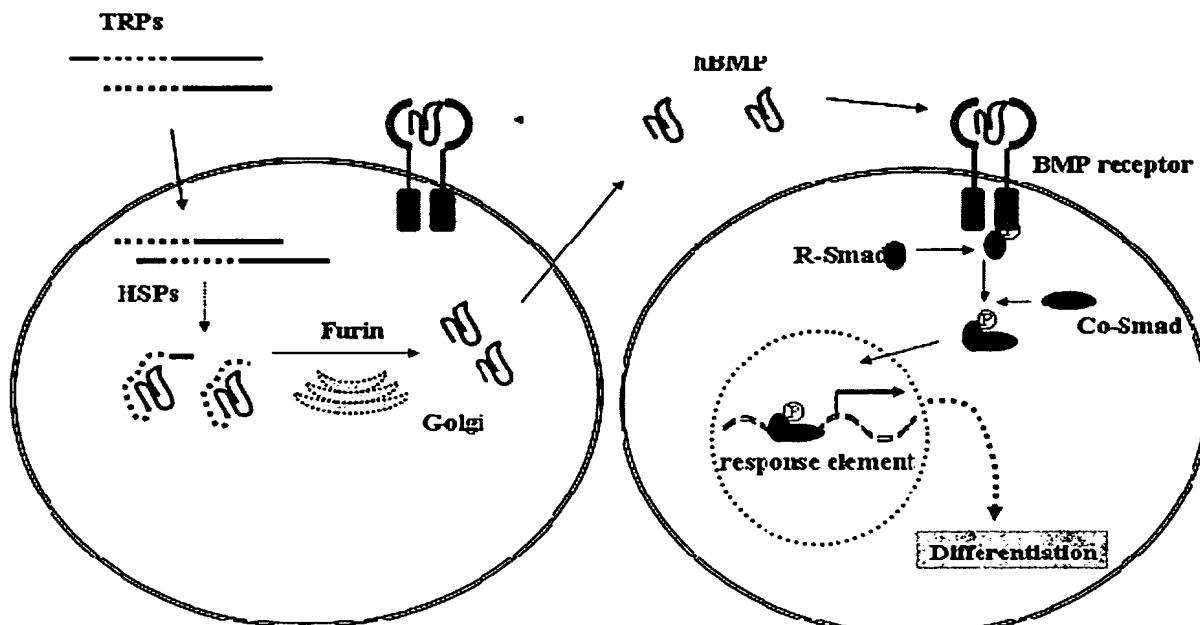


FIG. 6



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FIG. 7

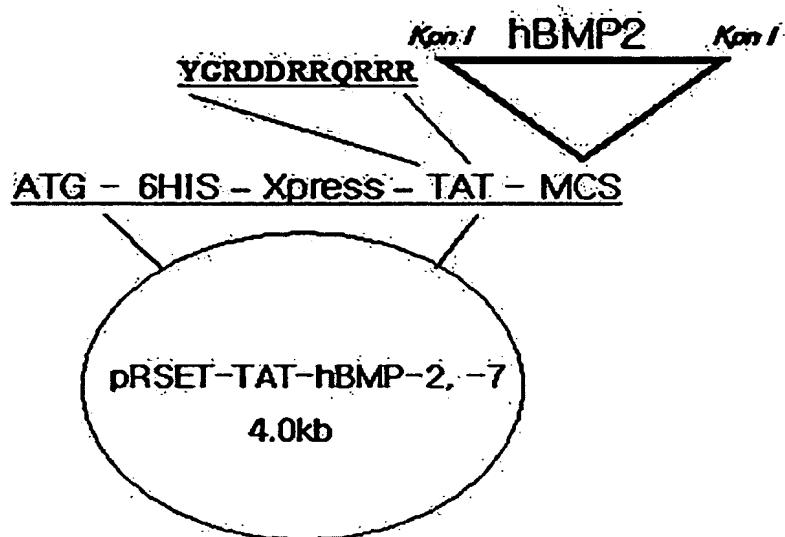


FIG. 8

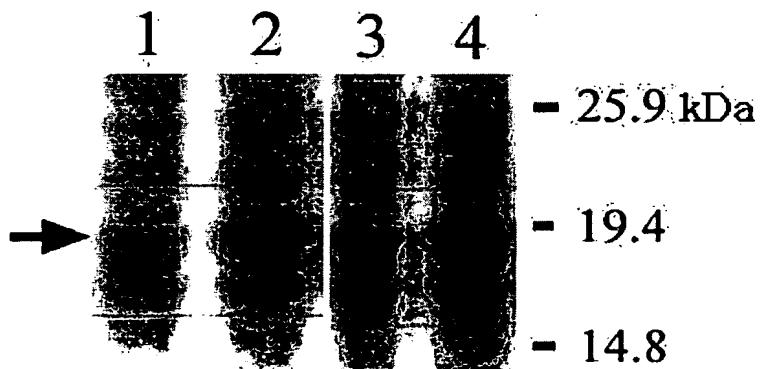
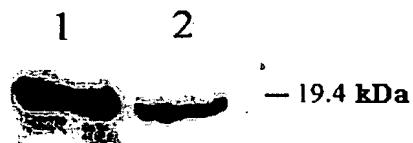


FIG. 9



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FIG. 10

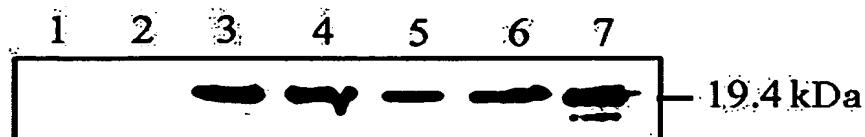


FIG. 11

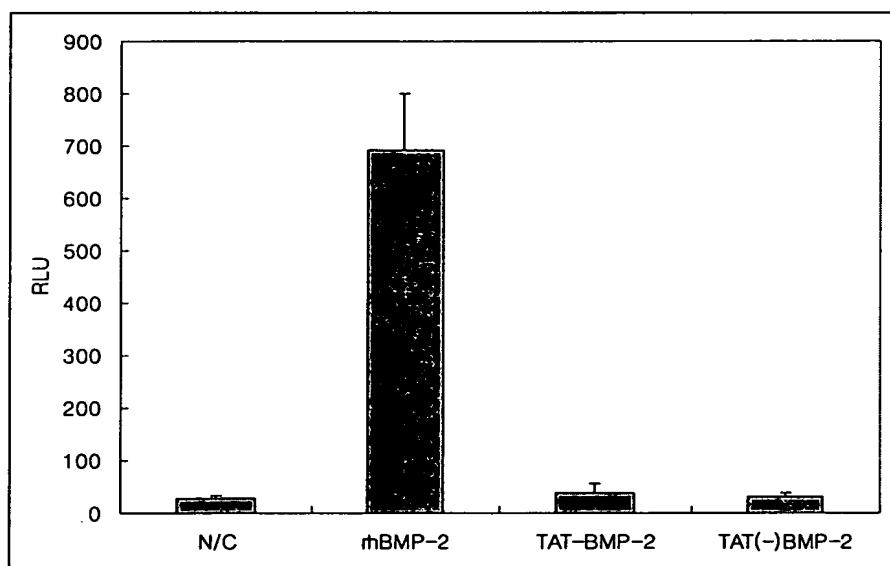
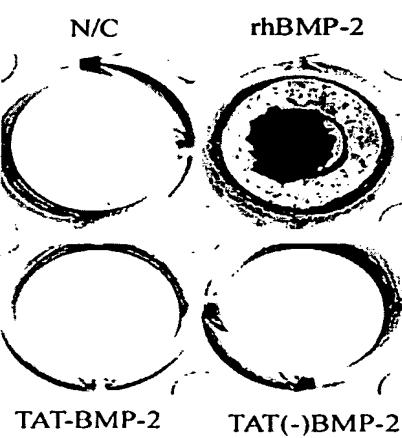


FIG. 12



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FIG. 13

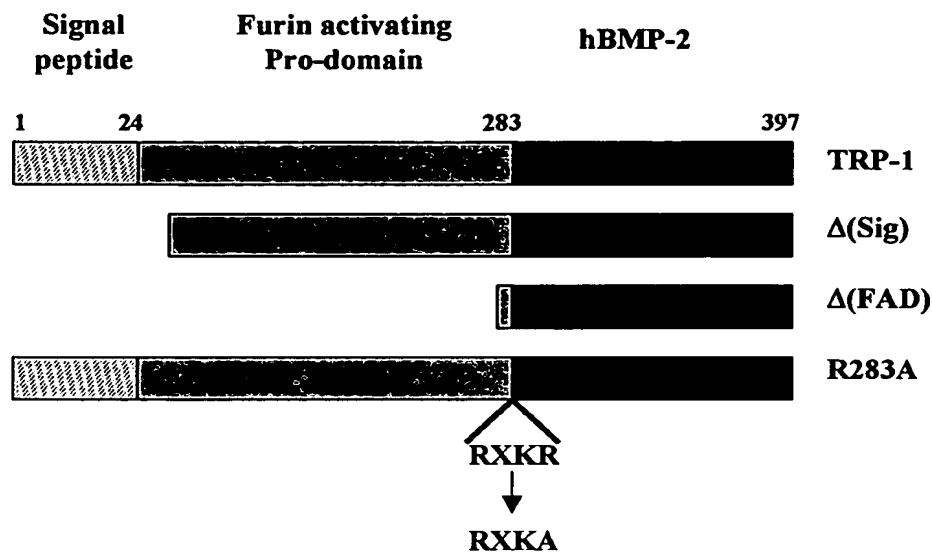
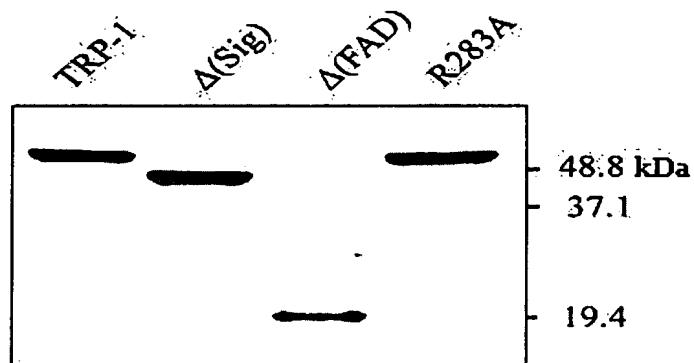


FIG. 14



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FIG. 15

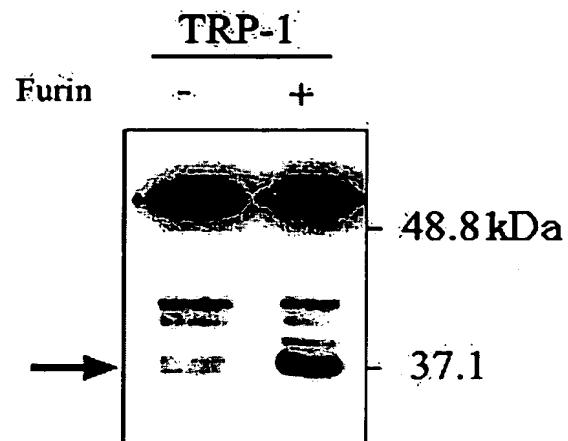
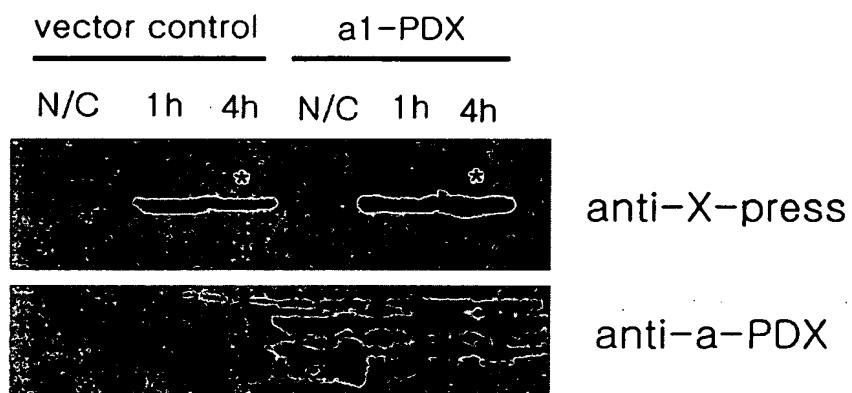


FIG. 16



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FIG. 17

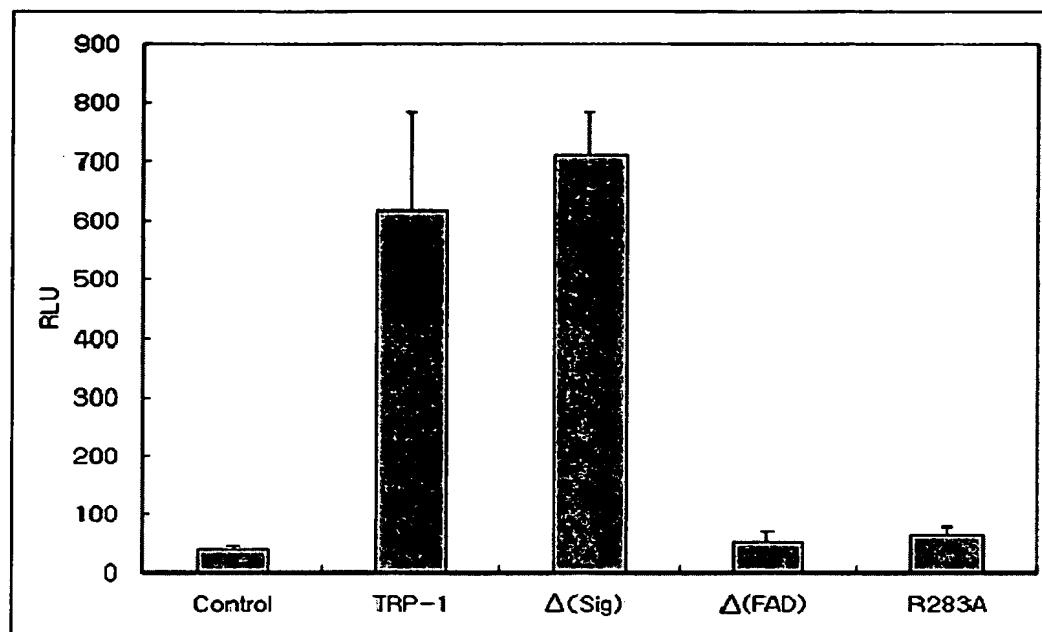
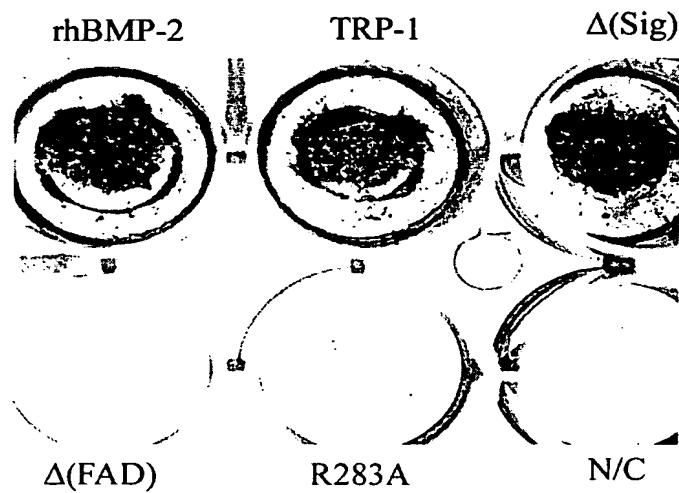


FIG. 18



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FIG. 19

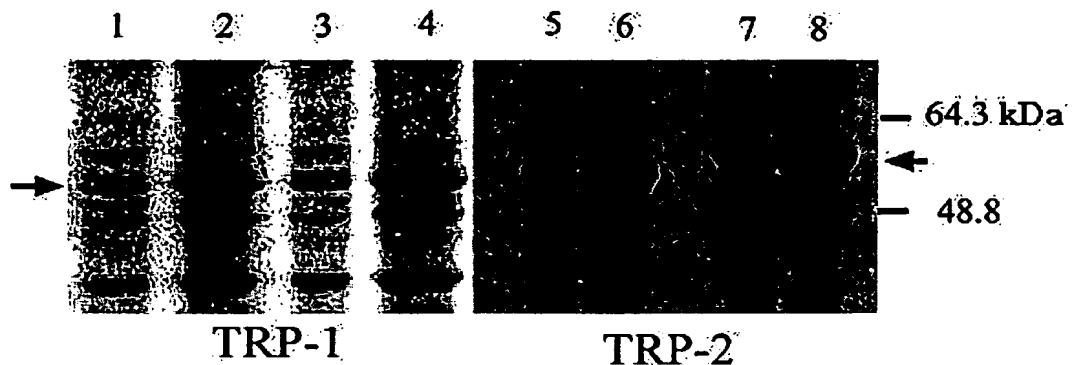
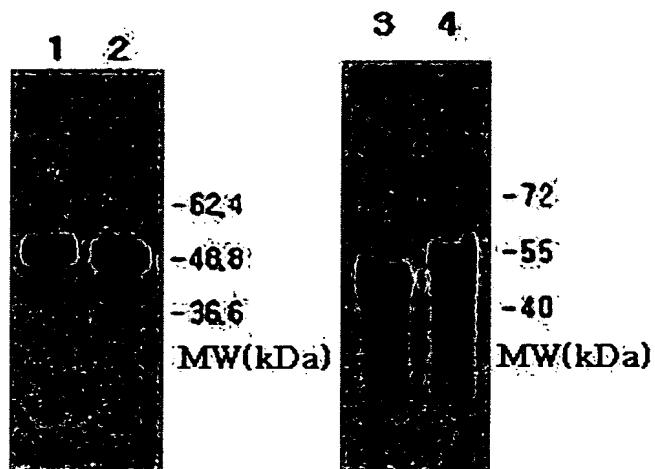


FIG. 20



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FIG. 21

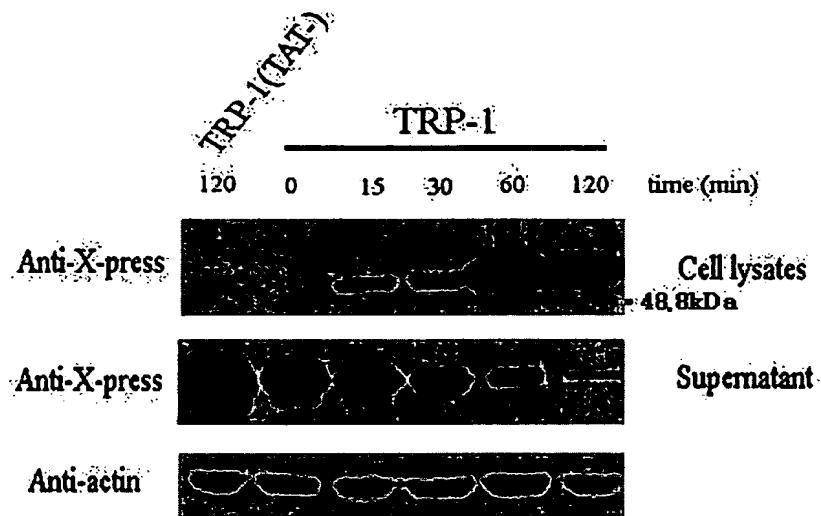


FIG. 22

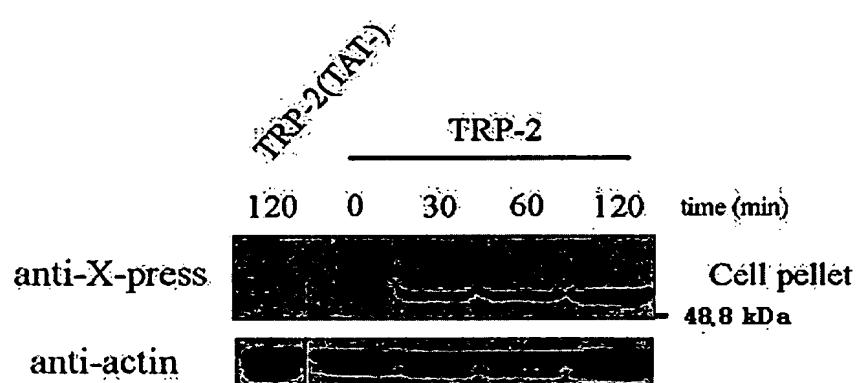
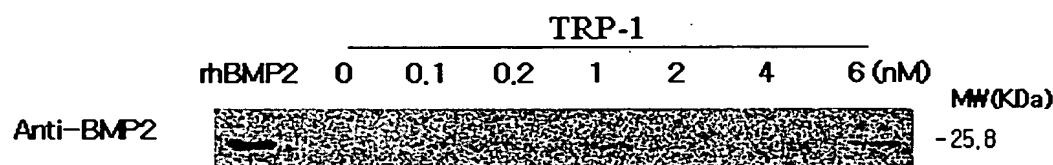


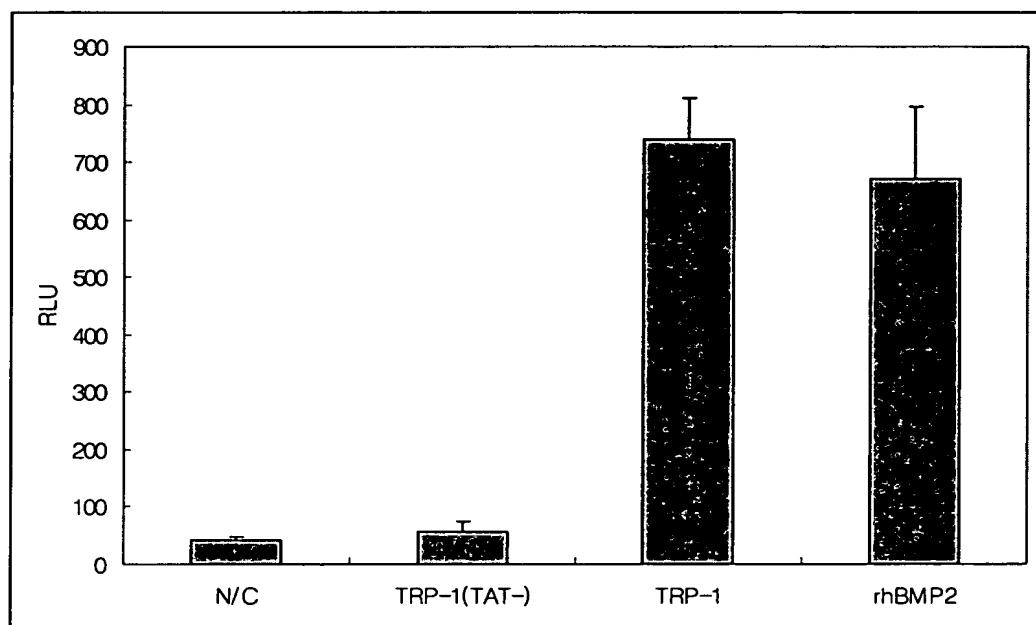
FIG. 23



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FIG. 24



FIG. 25



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FIG. 26

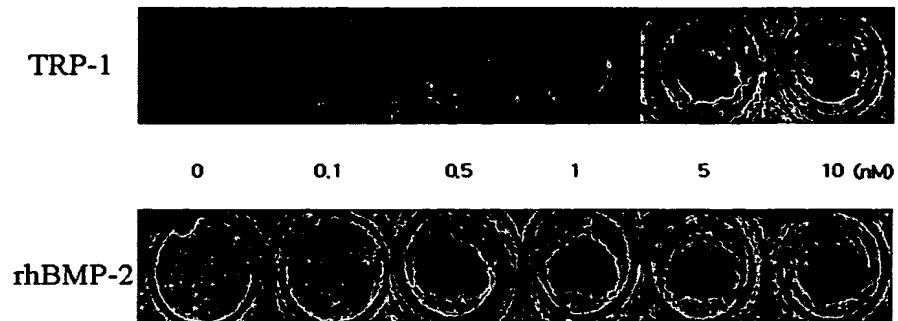
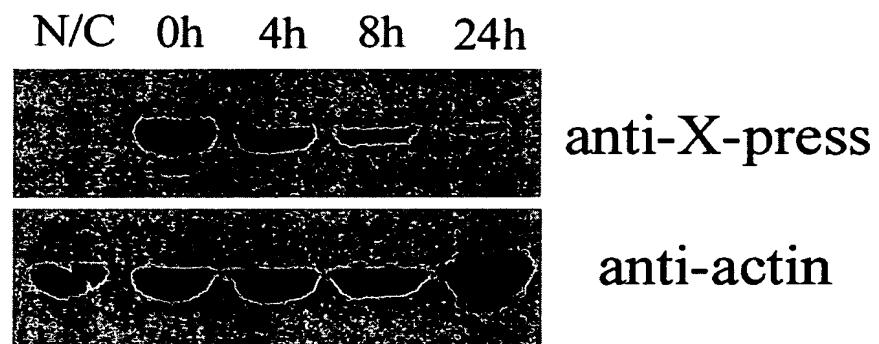


FIG. 27



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FIG. 28

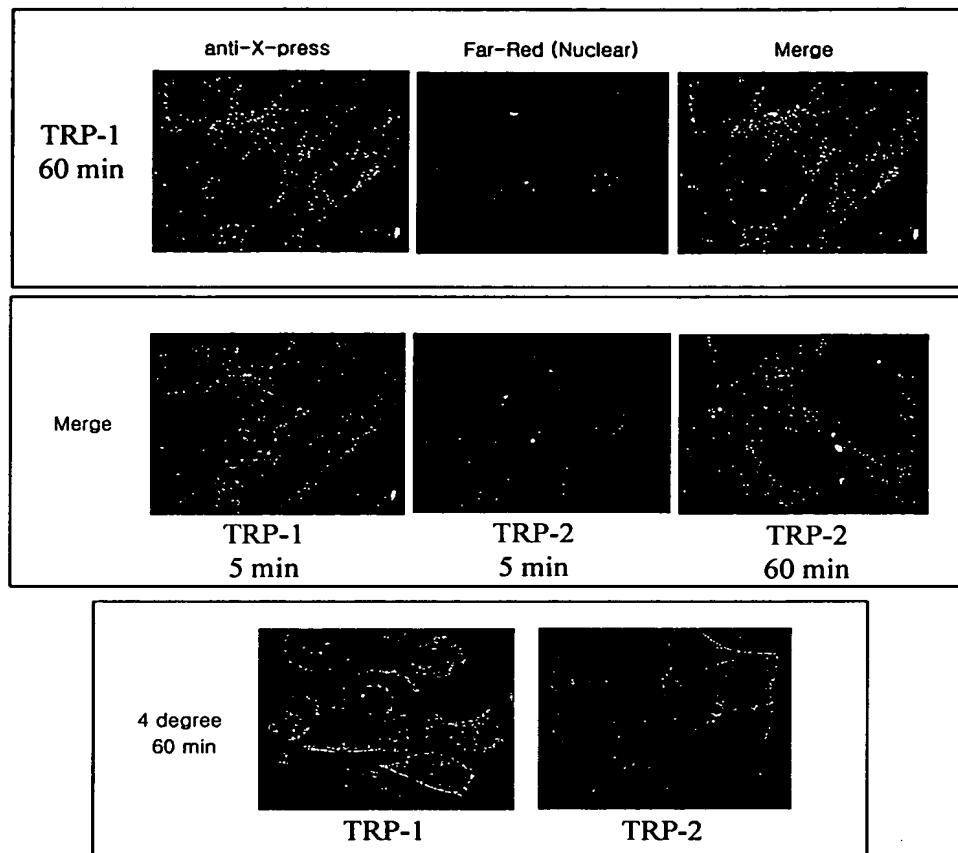
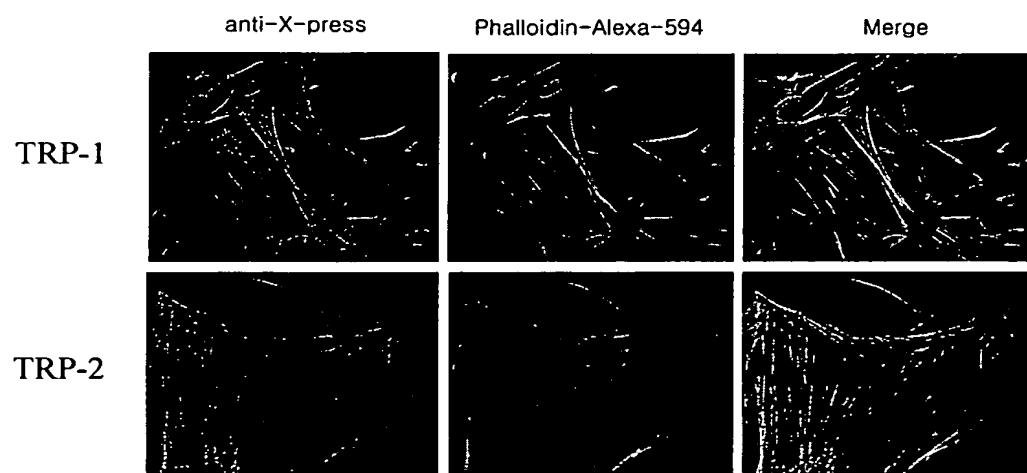


FIG. 29



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FIG. 30

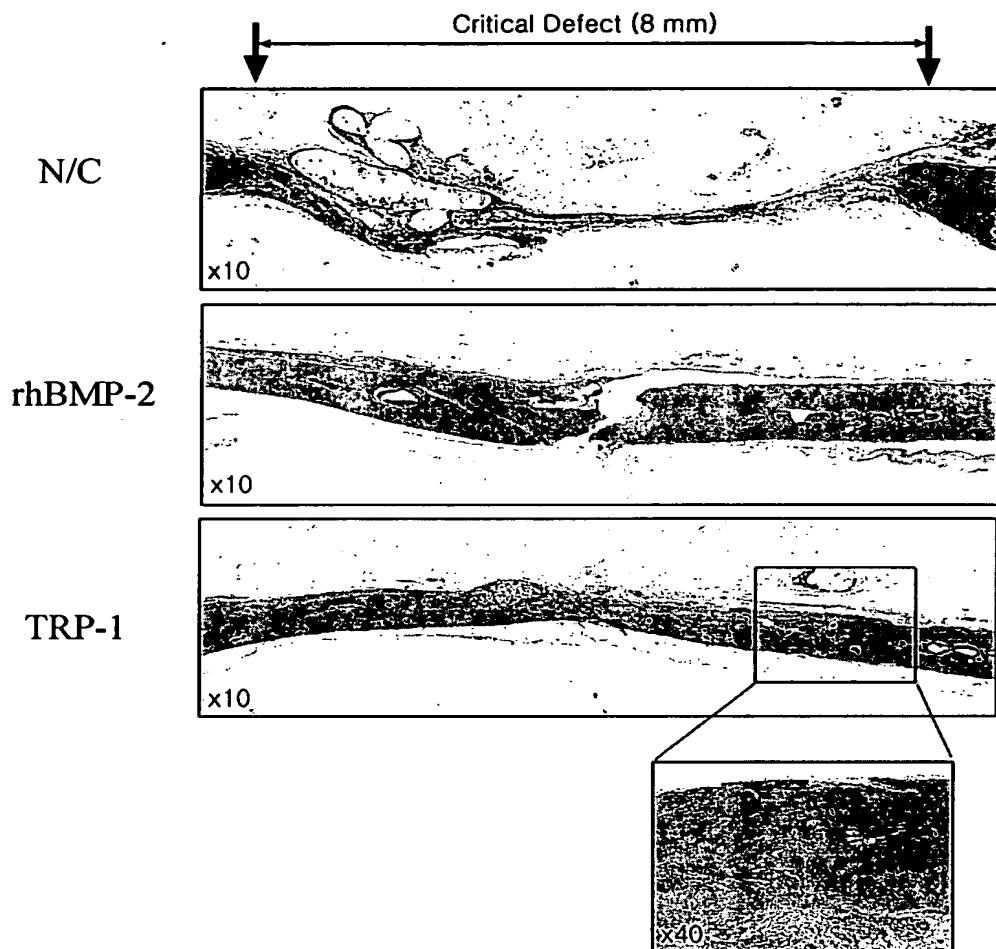
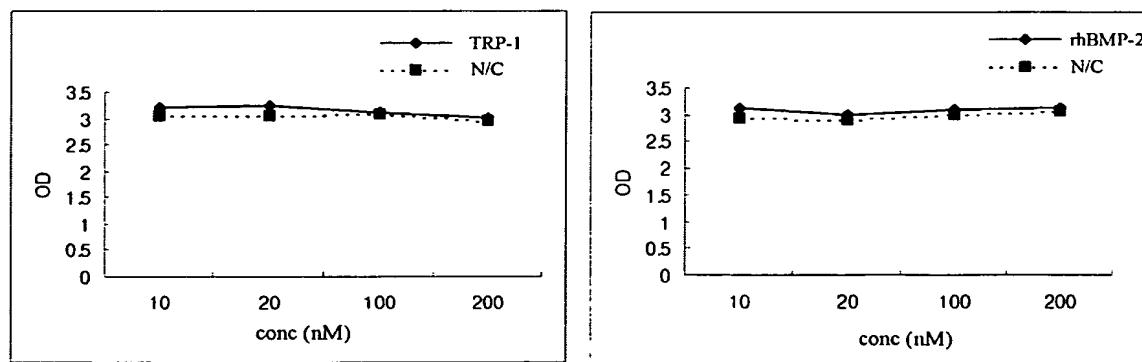


FIG. 31



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